

McNees Wallace & Nurick LLC
attorneys at law

SEP 01 2005

Routing #3001
Client #23634-0001**FAX COVER LETTER**

DATE: September 1, 2005

PLEASE DELIVER THE FOLLOWING PAGES:TO: **ASSIGNMENT RECORDATION SERVICES** FAX: **(571) 273-8300**FROM: William P. Smith Direct Dial: **(717) 237-5260**TOTAL NUMBER OF PAGES, INCLUDING THIS COVER LETTER: **13****MESSAGE:**

Please acknowledge receipt of documents.

Transmittal Form
Letter Requesting Corrected Notice of Recordation of Assignment
Notice of Recordation of Assignment Document (Doc. No. 70049947A)
Original Recordation Form Cover Sheet
Assignment (copy of executed original, 7 pages)
Certificate of Fax Transmittal

Attorney Docket No.: 23634-0001-U1
Application No.: 10/605,638
Filed: October 15, 2003

FAX NUMBER: (717) 237-5300

PARALEGAL RESPONSIBLE: Holly J. Lawrence TELEPHONE: (717) 237-5395

*******CONFIDENTIALITY NOTE*******

The information and documents accompanying this transmission contain information from the law firm of McNeese Wallace & Nurick LLC which is confidential and/or legally privileged. The information is intended solely for the use of the individual or entity named on this transmission sheet. If you are not the designated recipient, you are hereby notified that any disclosure, copying, distribution or taking of any action in reliance on the contents of this information is prohibited.

If you have received this transmission in error, please notify us by telephone immediately so that we can arrange for the return of the original documents to us at no cost to you and with reimbursement for cost you may have incurred in responding to this notification.

PTO/SB/21 (02-04)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no person is required to respond to a collection of information unless it displays a valid OMB control number.

**TRANSMITTAL
FORM**

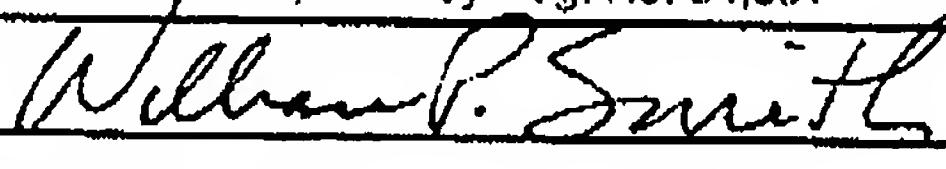
(to be used for all correspondence after initial filing)

		Application Number	10/605,638
		Filing Date	October 15, 2003
		First Named Inventor	RAHMAN, Anis
		Art Unit	2633
		Examiner Name	KIANNI, Kaveh C.
Total Number of Pages in This Submission	13	Attorney Docket Number	23634-0001-U1

ENCLOSURES (check all that apply)

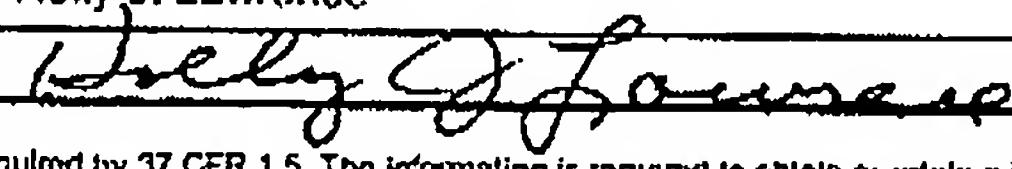
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment / Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Other Enclosure(s) <i>(please identify below):</i>
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Request for Refund	Letter Requesting Corrected Recordation; Original Recordation Form Cover Sheet; Notice of Recordation of Assignment Document; Copy of Assignment; Certificate of Fax Transmittal
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Certified Copy of Priority Document(s)		
<input type="checkbox"/> Response to Missing Parts/ Incomplete Application		
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	McNees Wallace & Nurick LLC William P. Smith, Attorney Reg. No. 34,931
Signature	
Date	September 1, 2005

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name	Holly J. Lawrence
Signature	
Date	September 1, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO in process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

RECEIVED
CENTRAL FAX CENTER

SEP 01 2005

Attorney Docket No.: 23634-0001-U1
Application No.: 10/605,638

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: RAHMAN, Anis

Application No.: 10/605,638 : Attn: ASSIGNMENT RECORDATION
SERVICES

Filed: October 15, 2003

For: REFLECTIVE ARRAYED WAVEGUIDE GRATING

Mail Stop ASSIGNMENT RECORDATION SERVICES
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

REQUEST FOR CORRECTED NOTICE OF RECORDATION OF ASSIGNMENT

Sir:

Enclosed is a copy of the Notice of Recordation of Assignment Document (document number 70049947A) recently received from the Recordation Branch of the U.S. Patent Office and recorded at Reel 014077 Frame 0908. The Notice of Recordation of Assignment Document incorrectly identifies the name of the assignor as RANMAN, ANIS, and the name of the assignee as APPLIES RESEARCH & PHOTONICS, INC. The original cover page correctly identifies the name of the assignor as RAHMAN, Anis, and the assignee as APPLIED RESEARCH & PHOTONICS, INC., and therefore, a copy of the originally filed assignment and cover page are enclosed.

Please correct the Notice of Recordation of Assignment Document to properly record the assignment for Attorney Docket No. 23634-0001-U1, Application Serial No. 10/605,638.

Attorney Docket No.: 23634-0001-U1
Application No.: 10/605,638

If a telephone call will expedite this correction, please feel free to contact the undersigned at the phone number listed below.

Dated: September 1, 2005

Respectfully submitted:
McNees Wallace & Nurick LLC

Phone: (717) 237-5260
Fax: (717) 237-5300

William P. Smith
William P. Smith
Reg. No. 34,931
100 Pine Street
P.O. Box 1166
Harrisburg, PA 17108-1166

OCTOBER 28, 2003

ANIS RAIYAN
 2218 SOUTHPOINT DRIVE
 HUMMELSTOWN, PA 17036

PTAS



UNITED STATES DEPARTMENT OF COMMERCE
 Patent and Trademark Office
 ASSISTANT SECRETARY AND COMMISSIONER
 OF PATENTS AND TRADEMARKS
 Washington, D.C. 20231



700048947A

UNITED STATES PATENT AND TRADEMARK OFFICE
 NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 10/15/2003

REEL/FRAME: 014077/0908
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
RANMAN, ANIS

DOC DATE: 10/15/2003

ASSIGNEE:
APPLIES, RESEARCH & PHOTONICS, INC.
2218 SOUTHPOINT DRIVE
HUMMELSTOWN, PENNSYLVANIA 17036SERIAL NUMBER: 10005638
PATENT NUMBER:FILING DATE:
ISSUE DATE:*Appls*SHAREILL COLES, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

Facsimile Transmission

This company uses RightFAX® fax server software from RightFAX, Inc.

From: Name: USPTO ASSIGNMENT DIVISION
Fax Number:
Voice Phone: 703-308-9723

To: Name: ANIS RAHMAN
Company: 2218 SOUTHPOINT DRIVE
Fax Number: 17175667217
Voice Phone:

Fax Notes:

Pg#	Description
1	Cover Page
2	685.TXT
3	Document 1, Batch 265689

PTAS FAX PROCESSING

Date and time of transmission: Wednesday, October 29, 2003 6:53:44 AM
Number of pages including this cover sheet: 03

A RightFAX® Communicated Document

09/01/2005 12:54 FAX 717 237 5300

MCNEES WALLACE & NURICK

007/013

From: Anis Roshman To: Assignment Division
DPR/ASSIGNMENTS

10/15/2003 10:54 PAGE 3/3 RightFax

10/15/2003 10:54 PM

Page 3 of 3

10/15/2003 10:54 3/1 RightFax
700049947**PATENT ASSIGNMENT**

Electronic Version v37

10/15/2003

Stylesheet Version v02

800008638

SUBMISSION TYPE:

NEW ASSIGNMENT

APPLICATION NUMBER

NATURE OF CONVEYANCE:

ASSIGNMENT OF ASSIGNOR'S INTEREST

CONVEYING PARTY DATA

Name	Expiration Date
Anis Roshman	2033-10-15

RECEIVING PARTY DATA

Name	Street Address	Internal Address	City	State/County	Postal Code
Poplar Research & Technologies, Inc.	2218 Southpoint Drive		Hummelstown	PENNSYLVANIA	17036

CORRESPONDENCE DATA

FAX NUMBER: 717-237-7237

Correspondence will be sent via fax unless the fax attempt is unsuccessful.

When the customer number has been provided, the Office of Public Records will obtain the correspondence data from the official records on file at the USPTO.

CUSTOMER NUMBER: 034HOC

NAME OF PERSON SIGNING:	Anis Roshman
DATE SIGNED:	2003-10-15
Total Attachments:	1 Assignment fil

FAX COVER

Message:

Date : 10/27/2003

Ms. Mary Benton, Examiner
Assignment Division
Office of Public Records
USPTO

Re: US Patent Application #: 10/605638. Assignment #: 800008638

Dear Ms. Benton,

Please find attached the following items as requested for the assignment of the above mentioned patent application:

1. Recordation cover sheet
2. Assignment document
3. Copy of your letter.

Please advise if you need any additional information.
Thank you for your attention and help with this assignment.

Sincerely,

Anis Rahman

To: Assignment Division

From : Anis Rahman

Company : USPTO

Company : ARP Inc

Fax Number : 17033065995

Fax Number : 717-566-7217

Pages including this cover page: 4

Subject : Assignment Document

PATENT ASSIGNMENT

Electronic Version v07

Stylesheet Version v02

10/15/2003
800008638

SUBMISSION TYPE:

NEW ASSIGNMENT

APPLICATION NUMBER

10/605638

NATURE OF CONVEYANCE:

ASSIGNMENT OF ASSIGNOR'S INTEREST

CONVEYING PARTY DATA

Name	Execution Date
Anis Rahman	2003-10-15

RECEIVING PARTY DATA

Name	Street Address	Internal Address	City	State/Country	Postal Code
Applied Research & Photonics, Inc.	2218 Southpoint Drive		Hummelstown	PENNSYLVANIA	17036

CORRESPONDENCE DATA

FAX NUMBER: 717-566-7217

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

When the customer number has been provided, the Office of Public Records will obtain the correspondence data from the official record on file at the USPTO.

CUSTOMER NUMBER: 034800

NAME OF PERSON SIGNING: Anis Rahman

DATE SIGNED: 2003-10-15

Total Attachments: 1

Source=assn1.tif

OP 10/00 10605638

Form (former PTO/SB/15) (08-03)
ASSIGNMENT OF APPLICATION

Whereas, I, Anis Rahman of Hummelstown, Pennsylvania 17036, USA, hereafter referred to as "applicant," have invented certain new and useful improvements in

"Reflective Arrayed Waveguide Grating,"

For which a provisional application was filed on 10-24-2002, and

A non-provisional application for a United States Patent was filed on 10-15-2003, and
Whose Application Number 10/605638, and

Whereas, Applied Research & Photonics, Inc.,

A company incorporated with the State of Delaware,

Hereafter referred to "assignee"

Whose mailing address is 2218 Southpoint Drive, Hummelstown, PA 17036, USA,
Is desirous of acquiring the entire right, title and interest in the same.

Now, therefore, in consideration of the sum of Five Hundred Ninety Five Thousand dollars (\$595,000.00), the amount whereof is to be paid to Anis Rahman, and/or to be considered as Anis Raman's investment and contribution to the assignee, and other good and valuable consideration, I, the applicant, by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire rights, title and interest in and to any and all Patents which may be granted thereof in the United States under the above mentioned application. I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

Executed this Twenty First day of October, 2003.

Mr. Quazi A. Haque, Member, Board of Directors

Dr. Anis Rahman, Applicant

Dr. Nuran Nabi, Member, Board of Directors

Dr. Abdul M. Kazi, Member, Board of Directors



PTAS

OCTOBER 16, 2003

ANIS RAHMAN
2218 SOUTHPOINT DRIVE
HUMMELSTOWN, PA 17036

UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231



800008638A*

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF NON-RECORDATION OF DOCUMENT

DOCUMENT ID NO.: 800008638

THE ENCLOSED DOCUMENT HAS BEEN EXAMINED AND FOUND NON-RECORDABLE BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. THE REASON(S) FOR NON-RECORDATION ARE STATED BELOW. DOCUMENTS BEING RESUBMITTED FOR RECORDATION MUST BE ACCCOMPANIED BY A NEW COVER SHEET REFLECTING THE CORRECT INFORMATION TO BE RECORDED AND THE DOCUMENT ID NUMBER REFERENCED ABOVE.

THE ORIGINAL DATE OF FILING OF THIS ASSIGNMENT DOCUMENT WILL BE MAINTAINED IF RESUBMITTED WITH THE APPROPRIATE CORRECTION(S) WITHIN 30 DAYS FROM THE DATE OF THIS NOTICE AS OUTLINED UNDER 37 CFR 3.51. THE RESUBMITTED DOCUMENT MUST INCLUDE A STAMP WITH THE OFFICIAL DATE OF RECEIPT UNDER 37 CFR 3. APPLICANTS MAY USE THE CERTIFIED PROCEDURES UNDER 37 CFR 1.8 OR 1.10 FOR RESUBMISSION OF THE RETURNED PAPERS, IF THEY DESIRE TO HAVE THE BENEFIT OF THE DATE OF DEPOSIT IN THE UNITED STATES POSTAL SERVICE.

SEND DOCUMENTS TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231. IF YOU HAVE ANY QUESTIONS REGARDING THIS NOTICE, YOU MAY CONTACT THE INDIVIDUAL WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723.

1. THE ASSIGNMENT DOCUMENTS ARE MISSING//DO NOT NEED THE DRAWINGS//NOT RECORDABLE

MARY BENTON, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

APPLICATION DATA SHEET

Electronic Version v14
Stylesheet Version v14.0

Title of Invention	Reflective Arrayed Waveguide Grating	
Application Type: regular, utility		
Correspondence address: Customer Number: 034800 *034800*		
Continuing Data: This is a Non-Provisional of US application number 60/420,763, filed 2002-10-24.		
Inventor Information:		
<u>Inventor 1:</u>		
Applicant Authority Type:	Inventor	
Citizenship:	BD	
Name prefix:	Dr.	
Given Name:	Anis	
Family Name:	Rahman	
City of Residence:	Hummelstown	
State of Residence:	PA	
Country of Residence:	US	
Address-1 of Mailing Address:	2218 Southpoint Drive	
Address-2 of Mailing Address:		
City of Mailing Address:	Hummelstown	
State of Mailing Address:	PA	
Postal Code of Mailing Address:	17036	
Country of Mailing Address:	US	
Phone:	717-566-7217	
Fax:	717-566-7217	
E-mail:	a.rahman@aphotonics.com	

Publication Information:

Suggested Figure for Publication - Fig. 5

P10/SB/07 (08-03)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Certificate of Transmission under 37 CFR 1.8

I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office on September 1, 2005.
Date

Holly J. Lawrence

Typed or printed name of person signing Certificate

Note: Each paper must have its own certificate of transmission, or this certificate must identify each submitted paper.

Transmittal Form

Letter Requesting Corrected Notice of Recordation of Assignment

Copy of Original Recordation Form Cover Sheet

Notice of Recordation of Assignment Document (Doc. No. 70049947A)

Assignment (copy of executed original, 7 pages)

Certificate of Fax Transmittal

Attorney Docket No.: 23634-0001-U1

Application No.: 10/605,636 Filed: October 15, 2003

This collection of information is required by 37 CFR 1.8. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.8 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- BLACK BORDERS**
- IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- FADED TEXT OR DRAWING**
- BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- SKEWED/SLANTED IMAGES**
- COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- GRAY SCALE DOCUMENTS**
- LINES OR MARKS ON ORIGINAL DOCUMENT**
- REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- OTHER:** _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.